



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/504,431	02/15/2000	Naoto Yamamoto	WN-2132	7872

466 7590 08/10/2004
YOUNG & THOMPSON
745 SOUTH 23RD STREET 2ND FLOOR
ARLINGTON, VA 22202

EXAMINER

BOCCIO, VINCENT F

ART UNIT PAPER NUMBER

2616

DATE MAILED: 08/10/2004

13

Please find below and/or attached an Office communication concerning this application or proceeding.

OR

Office Action Summary

Application No.

09/504,431

Applicant(s)

YAMAMOTO ET AL.

Examiner

Vincent F. Boccio

Art Unit

2616

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 21 May 2004.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 26,27,70 and 71 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 26,27,70 and 71 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☐ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____.

Art Unit: 2616

DETAILED ACTION

The Group and/or Art Unit location of your application in the PTO has changed. To aid in correlating any papers for this application, all further correspondence regarding this application should be directed to Group Art Unit 2616.

Response to Arguments

1. Applicant's arguments filed 5/21/04 against amended claims have been fully considered but they are not persuasive.

{A} In re page 6, applicant states, "Okada do not (does not) disclose, that each video/or audio data file is provided with at least one map file.".

In response based on the claim language, only one file is required (met by Fig. 70 A), which represents an Original PGC Information Table, which is a map file.

With the original, Okada allows for editing, thereby creating more, user defined map files, therefore, each video can have multiple map files by met by the Original and other user defined maps, therefore, each DVD RAM disk, of video and audio, can be provided, with an Original and many User defined map files, therefore, after creation of a few user defined map files the disk can be provided with a plurality of map files, as desired.

{B} In re page 6-7, applicant states, "Okada provide that a single management file is provided for the entire disk". See, for example Fig. 12 and the related discussion of the management files beginning at col. 25".

In response Fig. 12, shows that the MAP file interpreted to be the RTRW file including the MAP with addresses, wherein each MOVIE is a VOB (Fig. 77 A), wherein each VOB has a corresponding MAP table in the RTRW, therefore, as shown each VOB, has a corresponding map file, wherein each VOB, according to Fig.70, has a plurality of sections/units, which can be either virtually edited option (Fig. 85), or even real edits can be performed (Fig. 90, "REAL EDIT", option).

Art Unit: 2616

{C} In re page 7, applicant states, "... when contents are erased, the management file must be reconstituted and re-recorded on the disc. As the capacity of the disc increases, so does the time needed for this procedure."

In response the examiner cites col. 95, "RTRW management file work area 24 where it is used to overwrite the title search pointers already present", since overwriting can be accomplished the capacity does not increase, but, when additional User Defined Chains are created space is used to define the route being a virtual type of file in the RTRW only.

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless --

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

2. Claims 26, 27 and 70-71 are rejected under 35 U.S.C. 102(e) as being anticipated by Okada et al. (US 6,181,870).

Regarding claims 26 and 27 the examiner incorporates by reference the relevant limitations addressed in the last action against the limitations as presented prior, and will address the newly presented claim language, with respect to the arguments presented.

Regarding claim 26, Okada further discloses

- compression encoding using a variable length code (col. 19, "variable code length");
- a map including address data (met by time information, Fig. 70 A-9);
- wherein the compressed encoded data is stored in a unit of a block (Fig. 77A, each movie is a block,

Art Unit: 2616

met by a VOB {MOVIE11.VOB & MOVIE12.VOB, reference to the RTRW}, reference Fig. 12, each VOB or movie has a map file, also reference Figs. 70 A-D, 71, 72, 73 etc.....);

- the map file is for carrying out management of the recorded video in a unit of the block (defining a reproduction sequence to define and locate succeeding sections, as defined by the PGC information, multiple originals and multiple user defined chains or map files), wherein each video file is provided with at least one map file (Fig. 70 A is illustrative of showing one VOB map file, wherein according to Fig. 77 A, multiple movies each represented by a VOB, each having a map file associated with each VOB being a movie).

Regarding claim 27, Okada further meets the limitations of wherein when one of the recorded video data files is erased, **the map file for managing the recorded video file to be erased** (met by col. 94, "... subject to the real edit, so that all of these sets of **original PGC information are deleted** ... sets of user-defined PGC that were generated from these sets of PGC information also indicated VOBs that are subjected to the real edit, so that **all of these sets of user-defined PGC information are also deleted.**", also whole user defined chains, virtual edit files can also be erased), since in a real edit the map {PGCs}, information is erased from the disc.

Furthermore, since the "RTRW management file work area 24 where it is used to overwrite the title search pointers already present", therefore, by overwriting the files are erased by the overwriting process in the real edit.

Claims 70-71 method claims are analyzed and discussed with respect to the claims above.

Art Unit: 2616

Conclusion

2. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Contact Fax Information

Any response to this action should be mailed to:

Commissioner of Patents and Trademarks
Washington, D.C. 20231

or faxed to:

(703) 872-9314, (for formal communication intended for entry)

or:

(703) 308-5359, (for informal or draft communications, please label "PROPOSED" or "DRAFT")

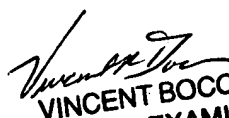
Hand-delivered responses should be brought to Crystal Park II, 2121 Crystal Drive, Arlington, VA., Sixth Floor (Receptionist).

Contact Information

Any inquiry concerning this communication or earlier communications should be directed to the examiner of record, Monday-Thursday, 8:00 AM to 5:00 PM Vincent F. Boccio (703) 306-3022.

Any inquiry of a general nature or relating to the status of this application should be directed to Customer Service (703) 306-0377.

Primary Examiner, Boccio, Vincent
8/9/04


VINCENT BOCCIO
PRIMARY EXAMINER